

Loose Tube Dielectric Armour Indoor/Outdoor Cable 4x12 G50 MMF ClearCurve® OM4 LT 2.3

CORNING

Part Number:
048TRU-T3198A2G

Corning MPC (multipurpose cable) stranded loose tube cables are flame-retardant, indoor/outdoor cables designed for interbuilding and intrabuilding backbones in duct and riser applications.

The loose tube cable construction, by isolating the fibers from installations and environmental rigors, provides stable and highly reliable transmission parameters. The buffer tubes and fibers in each tube are color coded for quick and easy identification.

The SZ-stranded construction further reduces installation and environmental influences on the transmission parameters and allows mid-span access.

These cables are designed for installation in conduits, ducts and in-house.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

UV- and microbe-resistant

Can be installed in ducts or conduits

Waterblocking technology

OSP (outdoor) applications

Dry core

Allows efficient and craft-friendly cable preparation in outdoor or indoor/outdoor applications

Laminated glass yarns

For improved rodent resistance

Fibres/buffer tubes colour coded to Telcordia-Bellcore

Easy identification of the individual tubes and fibres

Silicon-free outer jacket

The cable jacket is free of harmful to paint structures

Flame retardant

LSZH™/FRNC



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Specifications

Mechanical Specifications	
Crush resistance	2000 N/10 cm
Min. bend radius installation	215 mm
Min. bend radius operation	160 mm
Nominal outer diameter	10.9 mm

Cable Design	
Cable marking	Meter - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)BH 48 OM4CC LT 2.3 LSZH(TM)/FRNC
Central element	Dielectric
Fibre count	48
Buffer tube colour coding	Blue, orange, green, brown
Number of ripcords	1
Outer jacket colour	Black
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket nominal thickness	1.5 mm
Tensile strength elements and/or armouring - Layer 1	Laminated glass yarn armour
Buffer tube colour	Blue, orange, green, brown
Buffer tube diameter	2.25 mm
Central element diameter	2.5 mm
Filling element colour	Natural
Number of active tubes	4
Number of filling elements	2
Number of tube positions	6
Tape	Water-swellaable
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12

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Environmental Conditions

Temperature range, installation	-5 °C to 50 °C
Temperature range, operation	-30 °C to 70 °C
Temperature range, storage	-40 °C to 70 °C

General Specifications

Environment	Indoor/Outdoor
Cable type	Loose tube
Product type	Dielectric armour
Fibre category	50 µm MM (OM4)
Flame rating	LSZH™/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)BH
Application	Duct, Vertical Riser, General Purpose Horizontal

Ordering Information

Product Number	048TRU-T3198A2G
EAN Code	4042673339267
Maximum delivery length	4000 m
Weight	117 kg/km

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Flame Test Method	Flame retardant according to IEC 60332-1-2 (single cable)Reaction to fire according to EN 50575 and EN 13501-6Low smoke according to IEC 61034 and zero halogen to IEC 60754-1Non-corrosive according to IEC 60754-2
Waterblocking	IEC 60794-1-2 F5
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable)

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Standards	
Reaction to fire requirements	Reaction to fire according to EN 50575 and EN 13501-6
Smoke density	Low Smoke to IEC 61034
Halogen content test	Zero Halogen to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2
Reaction to fire	Eca

Optical Characteristics	
Fibre code	T
Fibre name	G50/125 ULTRA-BEND 7.5
Fibre Type	Multimode
Fibre core diameter	50 µm
Minimum effective modal bandwidth (EMB)	4700 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. overfilled launch (OFL) bandwidth	3500 MHz*km / 500 MHz*km
Serial 1 gigabit ethernet	1100 MHz*km / 600 MHz*km
Serial 10 gigabit ethernet	550 MHz*km / -
Typical attenuation	2.4 dB/km / 0.8 dB/km
Wavelengths	850 nm / 1300 nm
Induced Attenuation	For 7.5 mm radius < 0.2 db / -
Fibre category	OM4

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The CORNING logo is displayed in white, uppercase letters within a solid blue square.

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